Vedant Patil

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SUMMARY

A Computer Science undergraduate focused on full-stack development using the MERN stack and Java. With a portfolio of over 250 solved LeetCode problems, I have a demonstrated ability to devise efficient solutions for complex algorithmic challenges and a thorough grasp of Data Structures & Algorithms. My experience includes co-leading events for a university AI club and spearheading the UI/UX design for an educational platform successfully adopted by more than 150 students, showcasing my capabilities in project management and product design. I am seeking a challenging software development position where I can apply my technical and collaborative skills.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, HTML5, CSS3, C++
Frameworks & Libraries: React.js, Node.js, Express.js, EJS
Databases: MongoDB, MySQL, Oracle Apex, PL/SQL
Developer Tools: Git, GitHub, Figma, Canva
Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), MERN Stack, Web Development

PROJECTS

Yelp Camp | Full-Stack Web Application

- Engineered a full-stack web application with the MERN stack (MongoDB, Express.js, Node.js) and EJS for server-side rendering, creating a platform for users to share and review campground locations.
- Implemented over 25 RESTful API endpoints for complete CRUD (Create, Read, Update, Delete) functionality across multiple data models, including users, campgrounds, and reviews.
- Integrated Passport.js for robust user authentication and authorization, securing user data and ensuring that only authorized users could modify or delete content.

Data Structures and Algorithms in Java

- Solved 250+ problems on LeetCode, demonstrating proficiency across a wide range of algorithmic challenges and data structures.
- Completed a comprehensive Data Structures & Algorithms course covering all essential topics from foundational to advanced levels.
- Developed a library of 15+ core data structures and algorithms from scratch in Java, including complex structures like Hash Maps, Binary Search Trees, and Graphs.

EXPERIENCE

Core Team Member | AI Club - VIT Bhopal | 2024 - Present

- Organized "Code Jumanji," a QR-based coding treasure hunt for over 50 participants, which received a 95% positive feedback rating for creativity and engagement.
- Mentor a group of 2 junior club members, providing guidance on coding practices and project development.

UI/UX Designer | Econnect12

- Led the end-to-end UI/UX design process for the Econnect12 academic platform, creating over 30 high-fidelity screens and interactive prototypes using Figma and Canva.
- Presented the final product to school administrators, including the principal of Delhi Public School (DPSG), Sehore, leading to its successful implementation in a pilot program with over 150 students.

EDUCATION

Vellore Institute of Technology, Bhopal | 2023 - 2027
Bachelor of Technology (Computer Science) | CGPA: 8.98/10.0

CERTIFICATIONS

- Oracle Certified Professional: Java SE 17 Developer | Oracle (July 2025)
- Database Developer on Oracle Cloud (APEX) | Oracle (July 2025)
- The Web Developer Bootcamp 2025 | Udemy